

## **AMENDMENTS TO THE CLAIMS**

**1. (Currently Amended)** A process for producing a fullerene shell tube, which comprises heat-treating a fullerene whisker or fiber at a temperature of from 500 to 1,000°C in vacuum of 1 Pa to form a fullerene shell tube which has an amorphous carbon wall and whose inside is hollow.

**2. (Original)** The process for producing the fullerene shell tube according to claim 1, wherein the fullerene is C<sub>60</sub> fullerene, a higher-order fullerene having the carbon number of 70 or more, a metal-containing fullerene or fullerene derivatives.

**3. (Currently Amended)** A fullerene shell tube in which a diameter is in the range of from 10 nm to 100 µm, ~~and a length is 100 nm or more,~~ the tube wall comprises amorphous carbon, and the inside is hollow.

**4. (Canceled)**

**5. (Currently Amended)** The fullerene shell tube according to claim 3 ~~or 4~~, wherein the end of the tube is closed or open.

**6. (Canceled)**